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Type 1

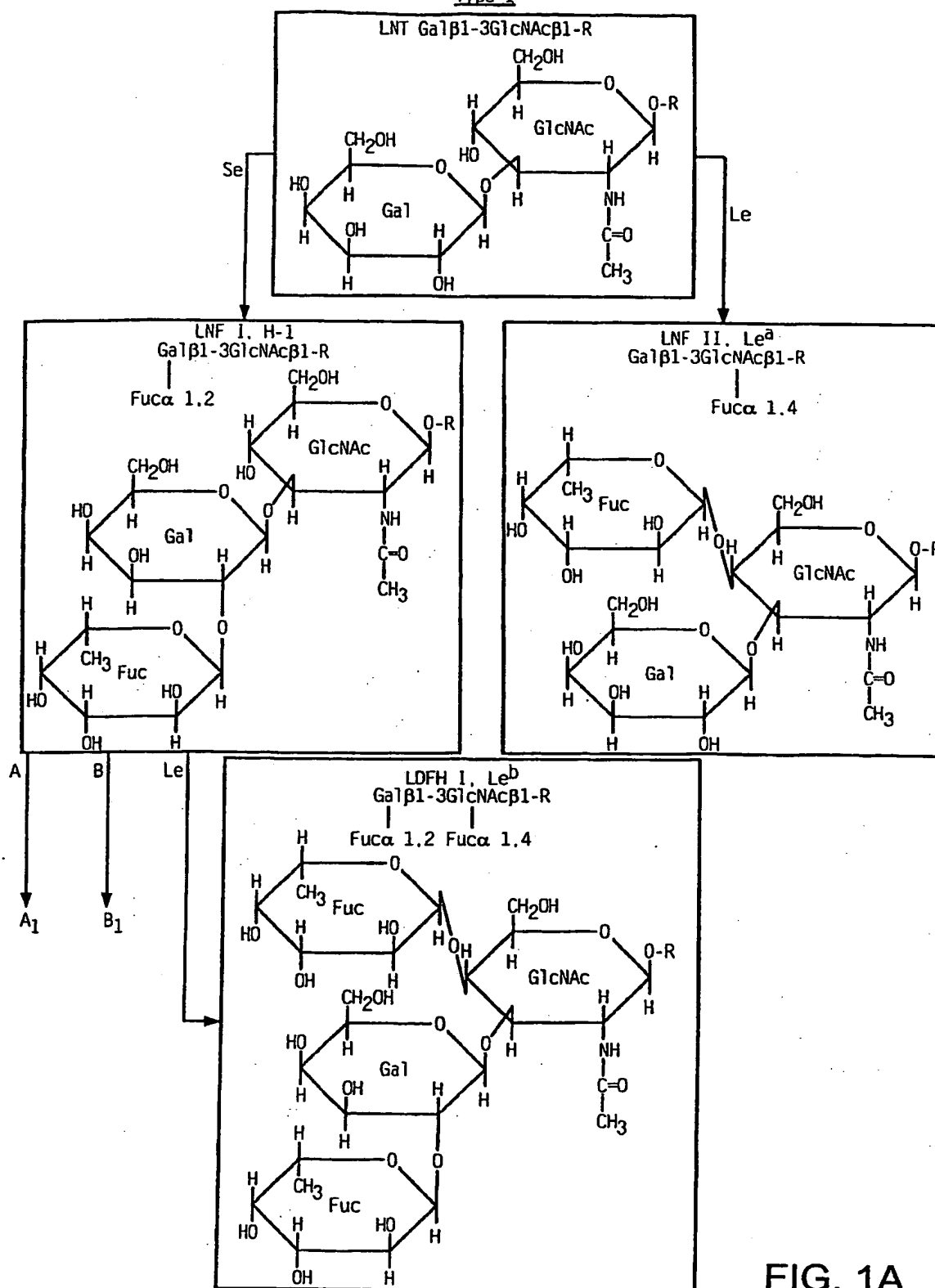


FIG. 1A

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## Type 2

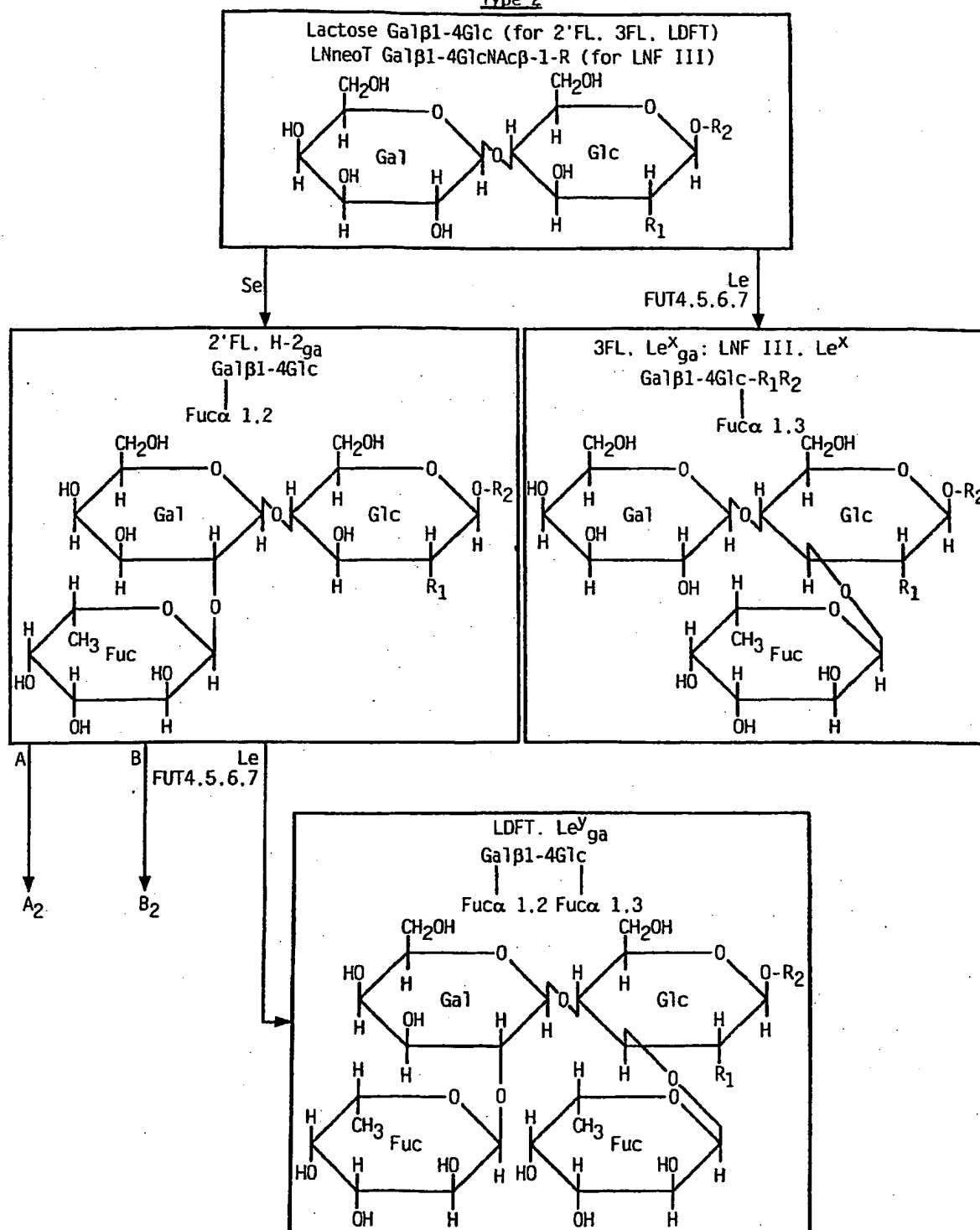


FIG. 1B

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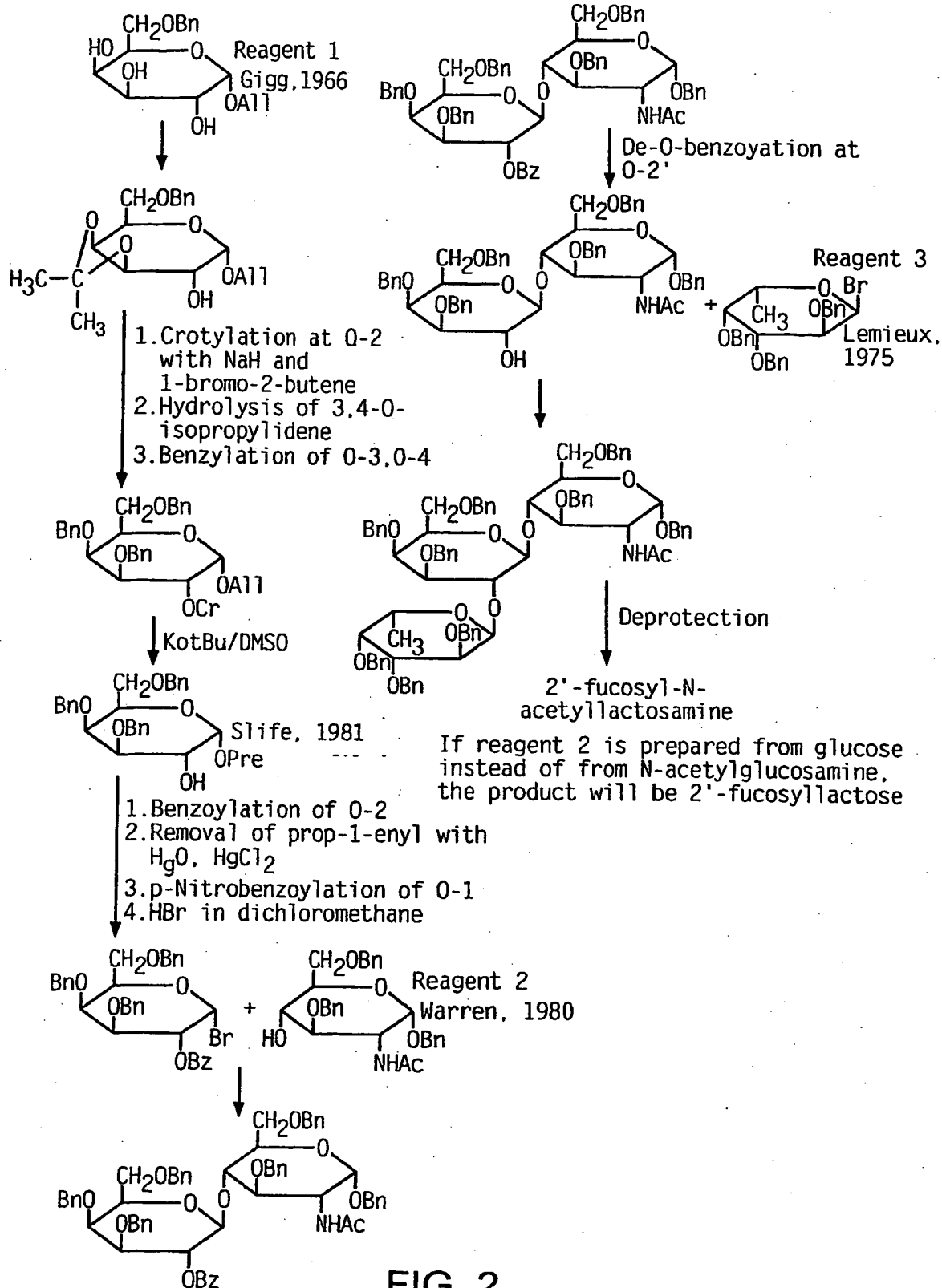


FIG. 2

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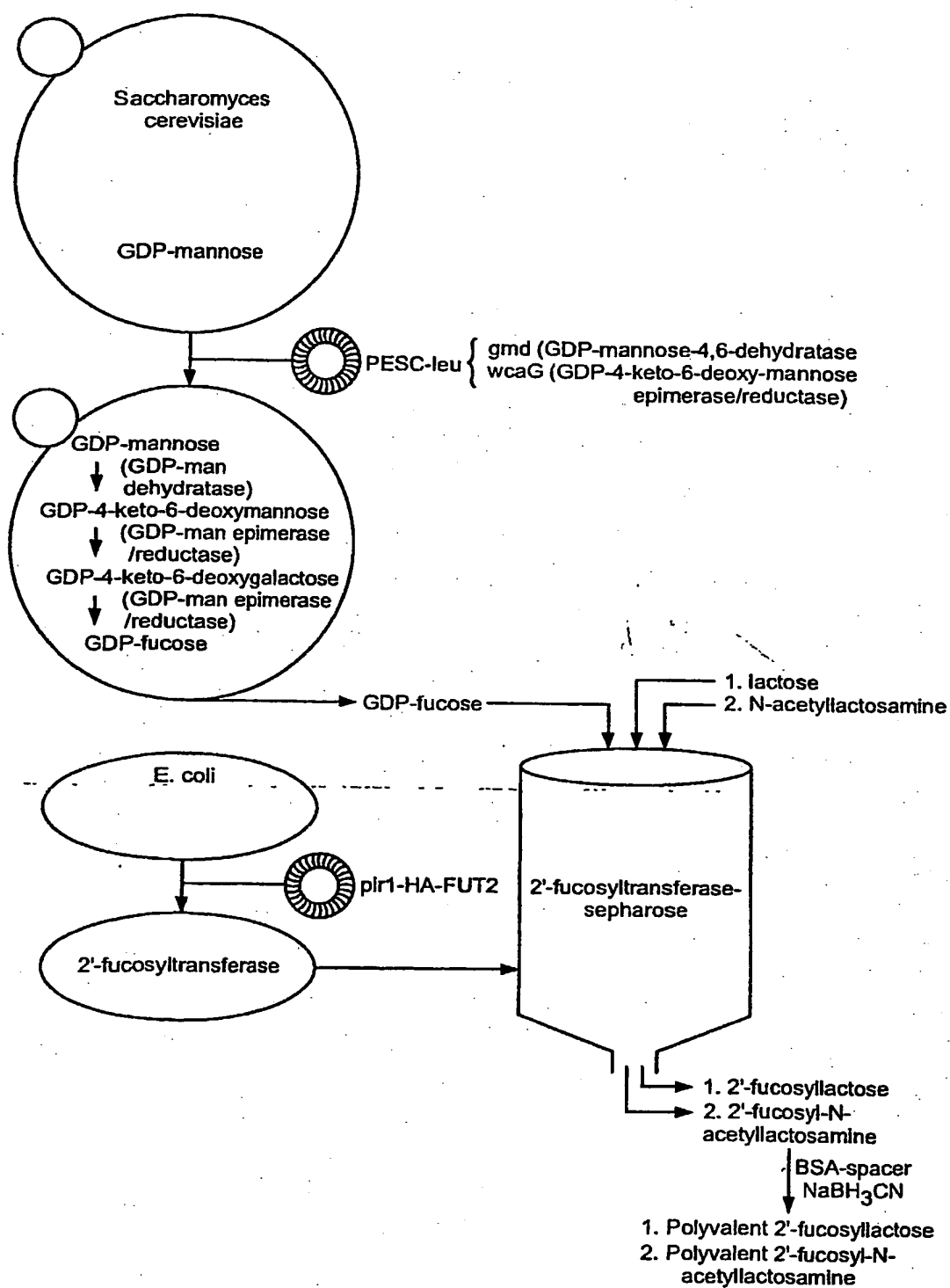


FIG. 3

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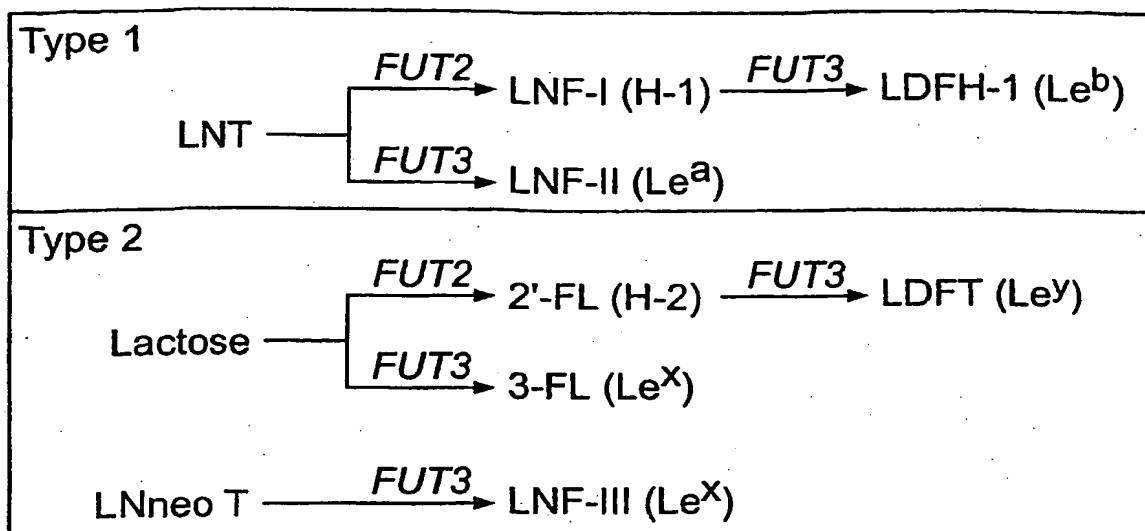


FIG. 4

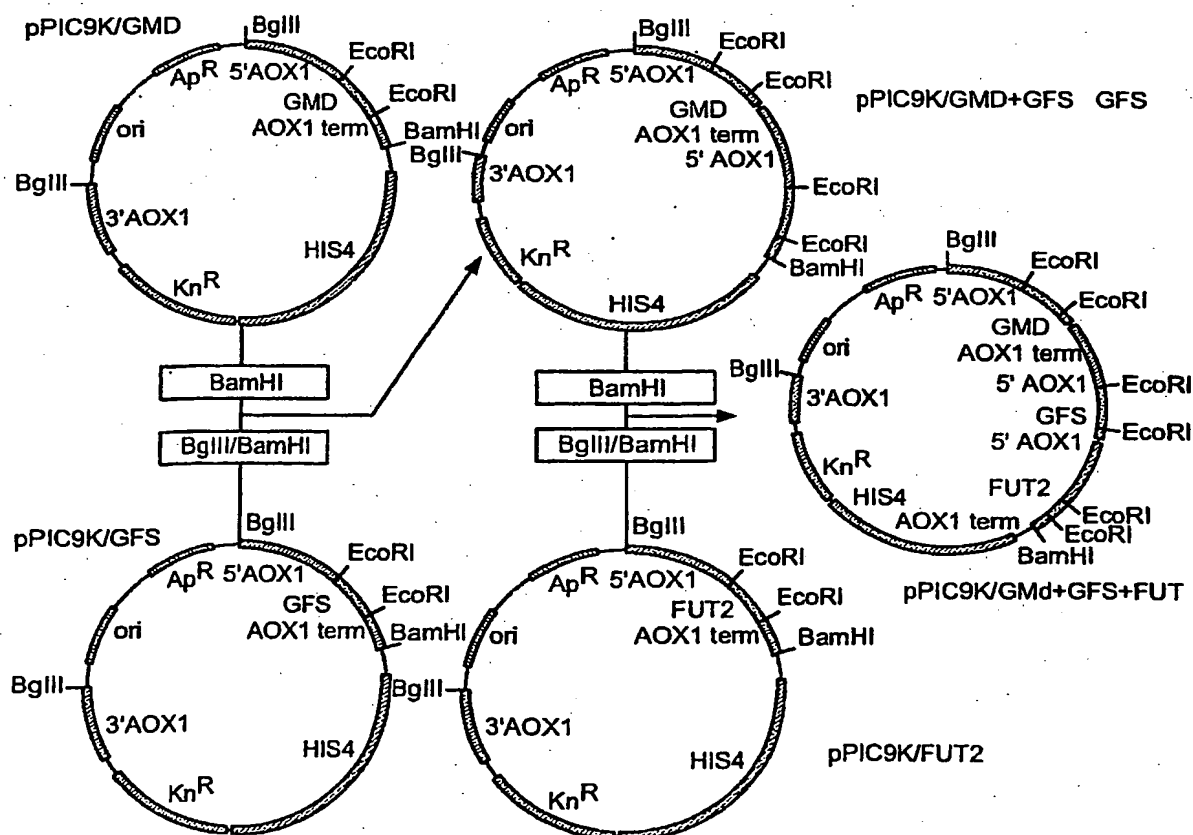


FIG. 5

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## Campylobacter Diarrhea

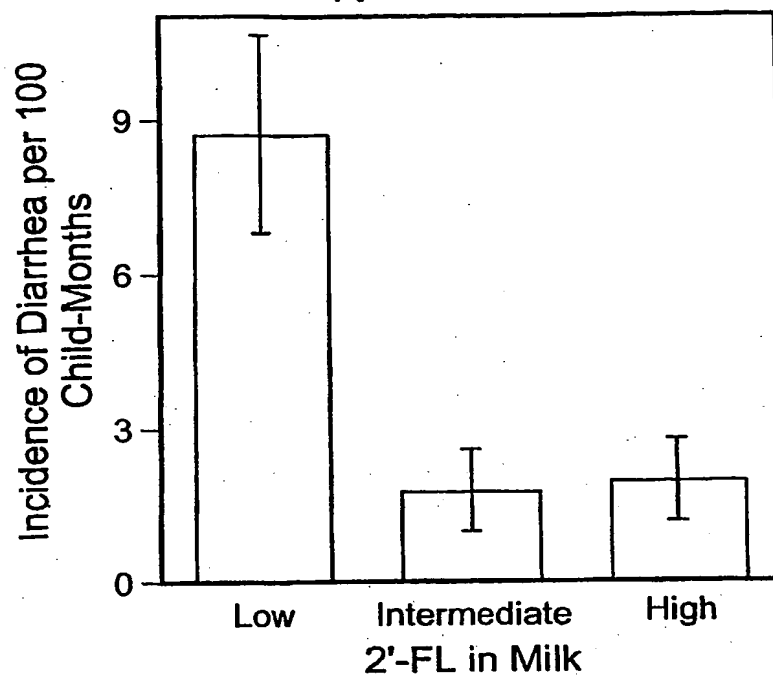


FIG. 6A

## Calicivirus Diarrhea

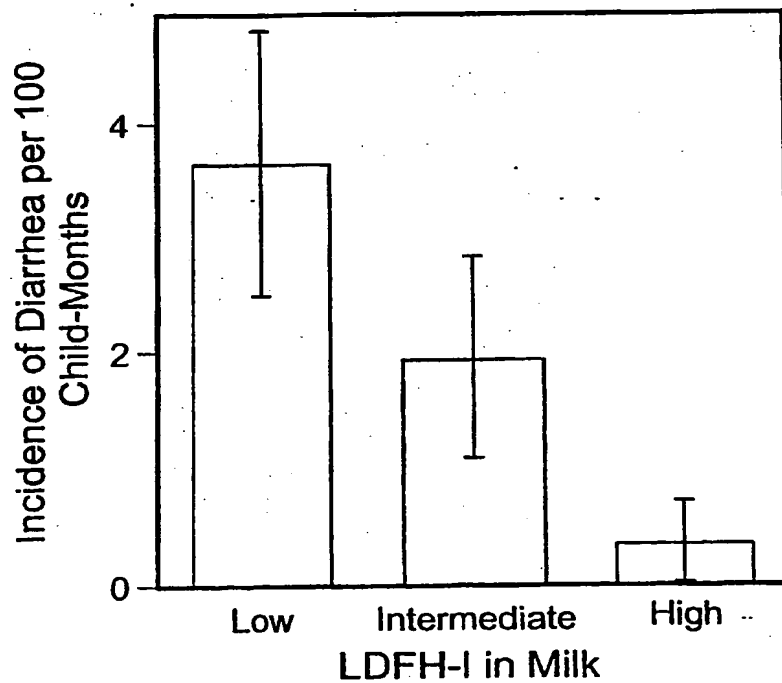


FIG. 6B

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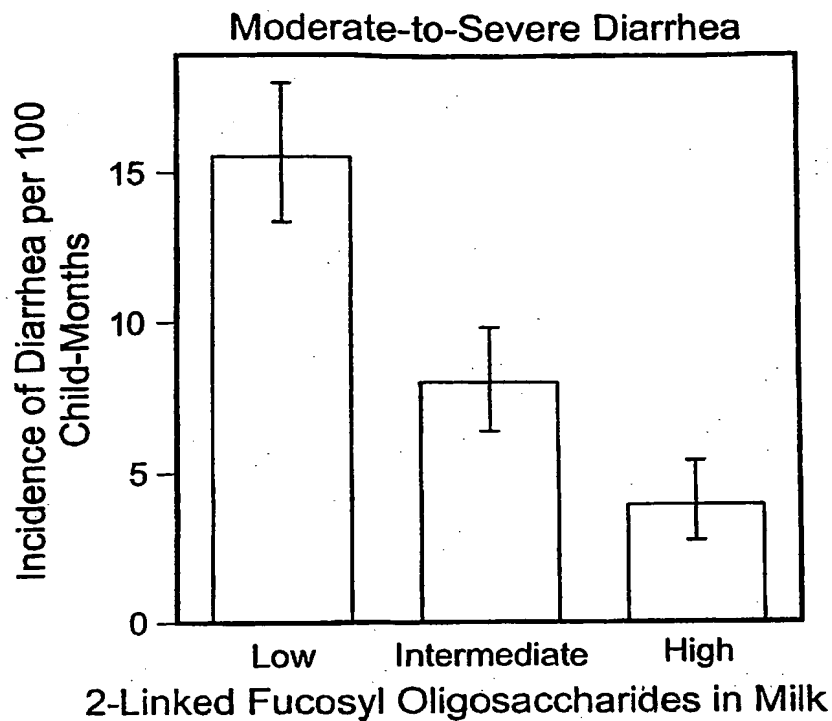


FIG. 6C

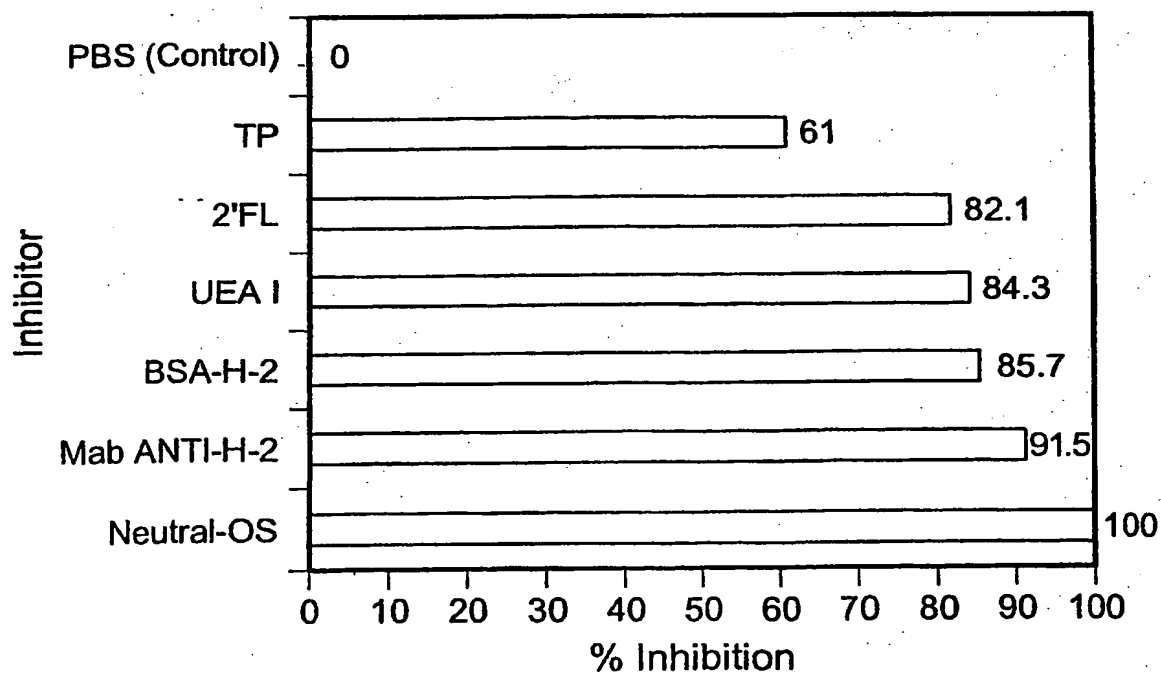


FIG. 7

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Cells	Pathogenic					Non Pathogenic	
	UEA 1	INN 287IP	INN 84SP	INN 166IP	INN 10SP	INN 50SP	INN 57SP
FUT1 ( $\alpha$ 1,2)	3+	2+	2+	1+	2+	0	0
FUT3 ( $\alpha$ 1,3)	0	0	0	0	0	0	0
FUT4 ( $\alpha$ 1,3 and $\alpha$ 1,4)	0	0	0	0	0	0	0
Parental CHO	0	0	0	0	0	0	0

FIG. 8

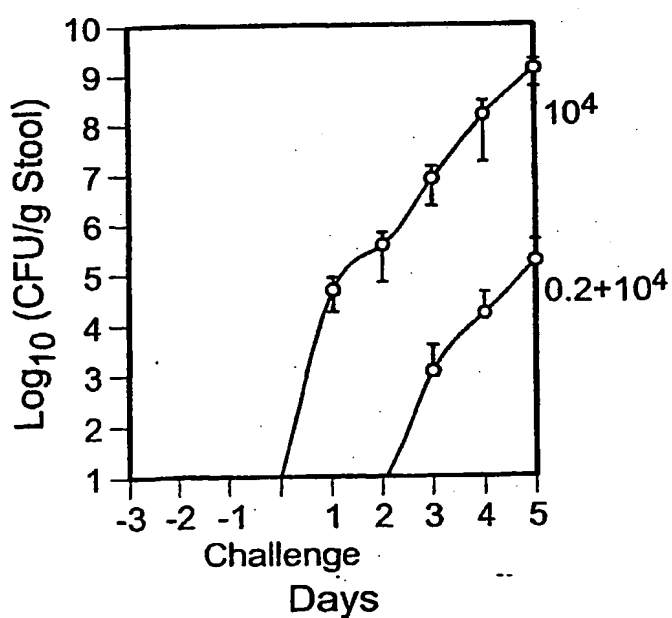
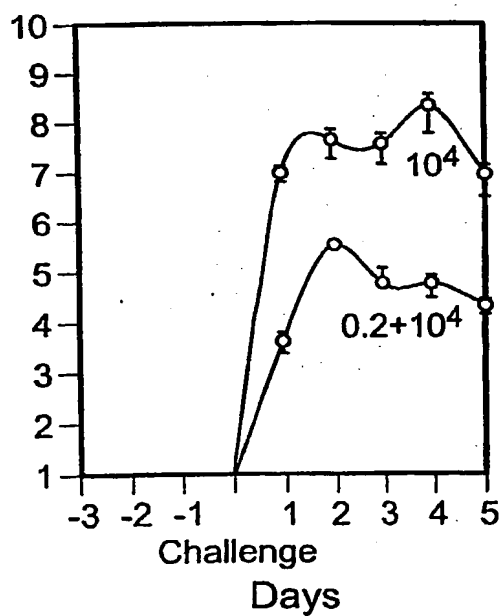


FIG. 9A





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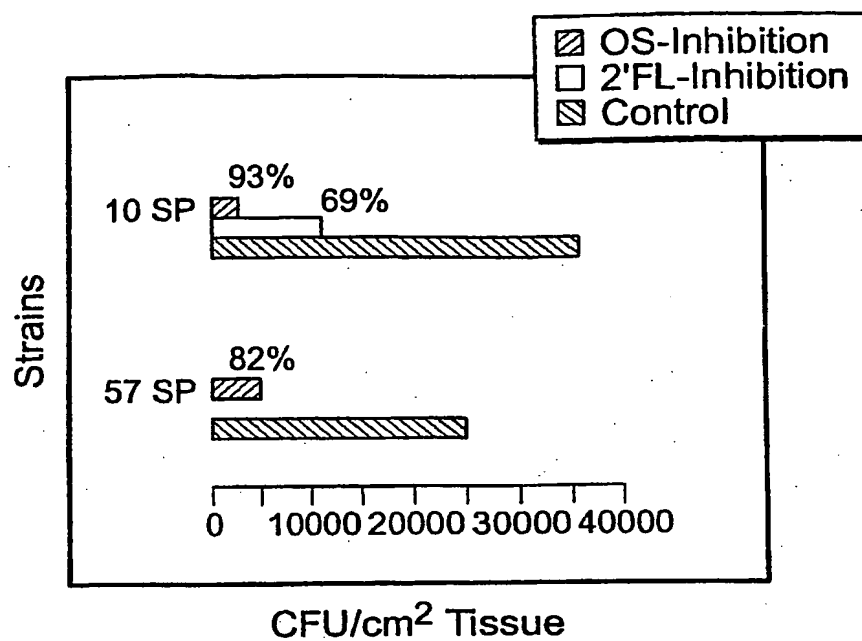


FIG. 9B

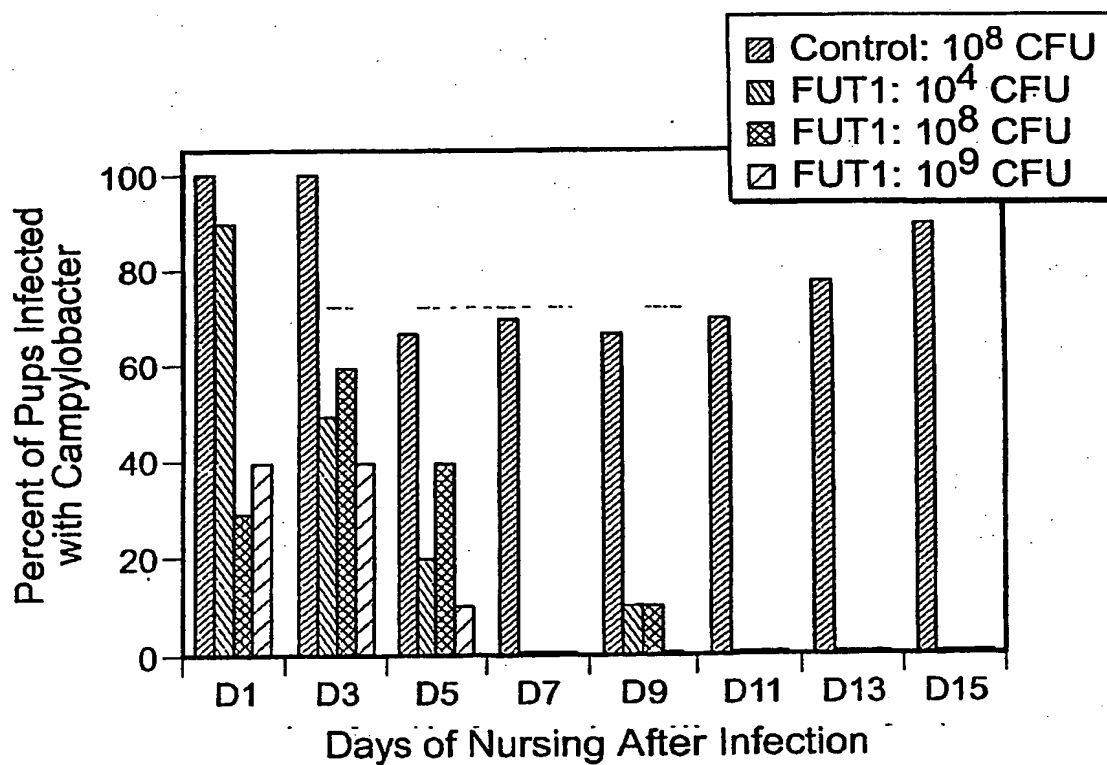


FIG. 10A

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Days After Infection	Transgenic (FUT1)			Non-Transgenic
	Campylobacter Inoculum (CFU/ml)			
	x10 <sup>4</sup>	x10 <sup>8</sup>	X10 <sup>9</sup>	Controlx10 <sup>8</sup>
1	40	30	90	100
3	40	60	50	100
5	10	40	20	67
7	0	0	0	70
9	0	10	20	67
11	0	0	0	70
13	0	0	0	78
15	0	0	0	88

FIG. 10B